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PATENT
C. Moore

8/N 09/387164

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Yong-Jun Hu

Examiner: Sikha Roy

Serial No.: 09/387164

Group Art Unit: 2879

Filed: August 31, 1999

Docket No.: 303.607US1

Title: FIELD EMITTER DEVICES WITH EMITTERS HAVING IMPLANTED LAYER

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AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Commissioner for Patents
Washington, D.C. 20231

Applicant has reviewed the Office Action mailed on November 6, 2002. Please amend the above-identified patent application as follows.

IN THE CLAIMS

Please substitute the claim set in the appendix entitled Clean Version of Pending Claims for the previously pending claim set. The substitute claim set is intended to reflect amendment of previously pending claims 1-3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23-25, 27-33, and 36. The specific amendments to individual claims are detailed in the following marked up set of claims.

1. (Amended) A field emitter display device, comprising:

at least one emitter having an implanted oxide layer [that releases] for releasing electrons at a predetermined energy level, wherein the implanted oxide layer is conforming to a surface of the at least one emitter.

2. (Amended) The device of claim 1, wherein the implanted oxide layer [inhibits] is formed for inhibiting outgassing [that includes] including moisture.

3. (Amended) A field emitter display device, comprising:

at least one emitter having an implantation [that releases] for releasing electrons at a predetermined energy level, wherein the implantation [lowers the] is conforming to a surface of the at least one emitter for lowering a potential barrier to enhance the releasing of electrons.